

Roasted soybeans improve performance, research shows

LITITZ — Roasted soybeans are providing farmers with an extra source of energy, according to some researchers feeds specialists, and agribusinessmen. The unsaturated fat contained in soybeans can provide 2 1/4 times as much energy as carbohydrates, claims one report. The study says further that regular soybean meal contains only about 10 pounds of unsaturated fat per ton. But roasted

soybeans contain approximately 360 pounds per ton. The roasting process destroys the "trypsin inhibitor" in the raw bean which interferes with digestion and growth, the beans become highly palatable, and the new-found energy goes to work.

The extra energy is showing up in higher production in dairy, beef, poultry, and hog operations.

According to a report by Harry O. Doty, Jr.,

agricultural economist with the United States Department of Agriculture, roasted soybeans are suitable for use in making all mixed feeds now containing added fat. In formulating such preparations, soybeans contain an average of 38 per cent protein and have an average oil crushing yield of 18.3 per cent.

Feed formulas can be adjusted to desired levels of fat or protein when roasted, unextracted soybeans are

used in most high-energy (added fat) content mixed feeds, oil in roasted soybeans can supply all the needed energy necessary, reports Doty.

Favorable reports are also coming in from universities. In Wisconsin, for example, scientist Jim Kelly concludes that "it is extremely profitable today for the livestock or poultry industry to feed whole processed beans as our agronomists have an opportunity to breed soybeans for animal consumption rather than for its oil properties."

Kelly goes as far as to say that the roasted soybean will fill the gap in a farmer's feeding program to such an extent that he could theoretically grow practically all his nutritional needs on his own farm. "Only a vitamin, mineral

pre-mix will need to be purchased to supplement home-grown grains, he says.

The Gem Grain Roaster Co. of Winona, Minn., claims that the process also reduces toxins and herbicide carryover because of its open flame sterilization process. Summarizing the benefits of the roasted soybeans, Gem Company literature claims 20 per cent more digestible and metabolizable energy can be

obtained from them, when compared to a commercial concentrate.

Positive reports on the cooking or roasting of grains have come from numerous universities. Among them are: Northwest Missouri State College, The University of Missouri, Auburn University, The University of Arkansas, Kansas State University, Iowa State University, and Purdue University.

Transportation hearings slated

NEW YORK - Two public hearings have been scheduled in the Northeast by the Rural Transportation Advisory Task Force this Summer to give the public an opportunity to make statements on major transportation issues.

The first session will be held Tuesday, July 17th, at the Howard Johnson's Motor Lodge on Southern Blvd. in Albany, N.Y. The second hearing will be Tuesday, July 31st, at the Downtown Holiday Inn at 88 Spring Street in Portland, Me. Both will start at 8 a.m.

Persons interested in commenting at the hearings should call the following toll-free number: 1-800-424-9107.

Written comments will be accepted until Aug. 15. These comments should be sent to Ron Schrader, Executive Director, Rural Transportation Advisory Task Force, Room 1405-Auditors Bldg., Wash., D.C. 20250.

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